

**Marine Environmental
Data Service**

**Service des données sur
le milieu marin**

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PUBLICATIONS

April 1982 avril



**Government of Canada
Fisheries and Oceans**

**Gouvernement du Canada
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Publications listed are those published by the Marine Environmental Data Services Branch (MEDS) of the Department of Fisheries and Oceans from 1973 to 1982. Also included are the Marine Sciences and Information Directorate Manuscript Report Series, and the Canadian Oceanographic Data Centre's Data Record Series.

This publication is an update of the "Marine Environmental Data Service Publications, April 1981" Cat. No. MEDS8100301RB.

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Marine Environmental Data Services Branch,
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Cette publication est une mise-à-jour de "Publications Service des données sur le milieu marin, avril 1981", numéro de catalogue MEDS8100301RB.

Des copies peuvent être obtenues de:

Service des données sur le milieu marin,
Sciences et levés océaniques,
Ministère des Pêches et des Océans,
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MEDS8200301RB

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1982

MEDS8200301RB

PUBLICATIONS

April 1982 avril

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Technical Reports/Rapports techniques

- | | | |
|------|--------|---|
| 1974 | No. 1 | Transport Computations for the North Atlantic Ocean, 1962. J. Nasr and W.P. Wickett. |
| 1975 | No. 2 | Transport computations for the North Atlantic Ocean, 1963. J. Nasr and W.P. Wickett. |
| | No. 3 | Temperature, salinity and sigma-t at station 27 (47°33'N, 52°35'W), 1950-1959. A. Huyer and A. Verney. |
| 1976 | No. 4 | Observations from current meters moored over the continental shelf off Vancouver Island, 28 November 1974 to 8 April 1975, and related oceanographic and meteorological data. A. Huyer, J. Gagnon and S. Huggett. |
| | No. 5 | Computer plotting routines for the Bay of Fundy tidal power project. J.R. Keeley. |
| 1979 | N°. 6 | Logiciel d'application: description objective de la thermocline. J. Nasr et F.-R. Boudreault. |
| 1980 | No. 7 | Monthly sea surface temperature for the Gulf of St. Lawrence. J.D.M. Weiler and J.R. Keeley. |
| | No. 8 | Temperature, salinity and sigma-t at station 27 (47°33'N, 52°35'W); an analysis of historical data. J.R. Keeley. |
| 1981 | No. 9 | Mean conditions of potential temperature and salinity along the Flemish Cap section. J.R. Keeley. |
| | No. 10 | Oceanographic atlases of Canadian waters — a bibliography. L. SansCartier and J.R. Keeley. |

Contractor Reports/Rapports des entrepreneurs

- | | | |
|------|-------|---|
| 1981 | No. 1 | A comparison of hindcast and recorded wave data. W.F. Baird and J.S. Readshaw, W.F. Baird & Associates, Coastal Engineers Ltd. |
| | No. 2 | On the forecasting of extreme sea states. P.H. LeBlond, Seaconsult Marine Research Ltd. |
| | No. 3 | A discussion of procedures to estimate extreme wave heights over the Canadian Atlantic Continental Shelf. J.S. Readshaw and W.F. Baird, W.F. Baird & Associates, Coastal Engineers Ltd. |
| | No. 4 | Specifications for an oceanographic data retrieval system. Group Five Consulting Ltd. |

- No. 5 Location and description of marine data to be included in the Canadian Marine Data Inventory System. MARTEC Limited, NORDCO Limited and MacLaren Plansearch Limited.
- No. 6 Bibliography of oceanographic atlases covering Canadian ocean waters. Acres Consulting Services Limited.

Data Record Series/Serie des records de données

- 1980 No. 1 Real-time oceanographic data transmitted during the 1979 Flemish Cap International Experiment. Jean Gagnon.
- 1981 No. 2 Oceanographic data transmitted from the Flemish Cap area September 1979 to December 1980. J.R. Keeley.

Technical Notes/Notes techniques

- 1974 No. 1 Check on the randomness of the rounding-off digit. P.A. Bolduc.
- No. 2 The calculation of sigma-t in the OCEANS system. J. Nasr.
- No. 3 The method of STD data reduction used by MEDS. J. Nasr.
- No. 4 CIRCLE: a routine to define the stations within a circle on the surface of the earth. J. Nasr.
- 1975 No. 5 An improved system for water level measurements. G. Godin.
- No. 6 Some tests of the accuracy of bathythermograph digitization. J. Taylor and M. Vetter.
- No. 7 Note on map projections. J. Taylor.
- No. 8 Revised spectra for the slow oscillations in the water level records collected at Trieste between 1953 and 1972. G. Godin, L. Trotti and J. Taylor.
- No. 9 The reduction of the tidal observations in Chesterfield Inlet with the help of the admittance function. G. Godin, S. Eldring and P. Pinard.
- No. 10 The variability of the water levels at Dalhousie, New Brunswick. G. Godin and A. Bolduc. (*Restricted/Publication restreinte*).
- 1976 No. 11 Extreme values of the tidal potential over the years 1955-1995 and the occurrence of high tides and of extreme water levels. G. Godin and W. Sokyko.
- No. 12 CONMAP: a computer program for contouring oceanographic data. J. Taylor.
- No. 13 Overview of MEDS data preservation archive. H. Jones.

- No. 14 The reduction of current observations with the help of the admittance function. G. Godin.
- No. 15 Running the Box-Jenkins model. P.A. Bolduc.
- No. 16 Bay of Fundy numerical model. D. Greenberg.
- No. 17 The use of System 2000 in tidal research. P.A. Bolduc.
- No. 18 Organization of MEDS publications. H. Jones and G. Mowbray.
- No. 19 S2K REPORT WRITER evaluation. P. Erwin and J. Minaker.
- No. 20 A utility for transferring S2K database definitions. J. Dobec.
- No. 21 Attempts to use a hydrodynamic-numerical model for the calculation of long wave harbour response. J. Taylor.
- 1977 No. 22 MEDS request statistics 1975 and 1976. H.A.C. Jones and M. Headrick.
- No. 23 System 2000: a simulated "TALLY" with "WHERE" clause. P.E. Erwin and H.A.C. Jones.
- No. 24 A short list of quality control techniques. H.A.C. Jones, J. Gagnon and D. Birrell.
- No. 25 IFTRAN: a structured extension of FORTRAN as used on a CYBER 74. S.E. Eldring.
- No. 26 MAILIST. H.A.C. Jones, G. Mowbray and J. Dobec.
- No. 27 Changes in program Conmap from Jan/76 to Nov/77. J. Taylor.
- 1978 No. 28 Unpublished.
- 1979 No. 29 Lunitidal intervals and tidal statistics. G. Godin.
- No. 30 Data quality checking using eigenvectors. J.R. Keeley.
- 1980 N°. 31 Sous-routine pour le calcul du contenu thermique. P.A. Bolduc et J.R. Keeley.
- No. 32 PRIM: line printer map subroutine. J.D.M. Weiler.
- No. 33 A computer program for contouring oceanographic data using optimum interpolation. J. Taylor.
- No. 34 The use of empirical orthogonal functions for checking data quality; a simple case. J.R. Keeley.
- 1981 No. 35 Preliminary report on the status of marine biological data inventories. Henry A.C. Jones, Canada and Aldo Tomo, Argentina.

- No. 36 Overwater imagery available from Landsat B. L.G. Bussi res and J.R. Keeley.
- No. 37 Unpublished.
- No. 38 Preliminary report on ocean biology feasibility study questionnaire. Natalie Dakers.

Other Publications/Autres publications

- 1973 Updated adjusted rates of vertical (crustal and other) movement for Lake Superior, Lake Michigan, Lake Huron, Lake Erie and Lake Ontario. A. Bolduc and J. Minaker. (*Out of print/Stock  puis *).
- The system description of OCEANS V, a data management system for physical and chemical data. D. Branch. (*Out of print/Stock  puis *).
- A primary report on the high and low water level planes on the Saint John River. A. Bolduc. (*Out of print/Stock  puis *).
- Retrieval of data from Tides and Water Levels data files stored on the PDP-10. J. Minaker. (*Obsolete/P rim e*).
- Tides and Water Levels programs for the Wang 600-2. R. Schoenrank. (*Obsolete/P rim e*).
- The mapping of sea surface conductivity. Student report. D. Forster. (*Out of print/Stock  puis *).
- Point Petre wind set-up analysis. Student report. M. Rath. (*Out of print/Stock  puis *).
- OCEANS V retrieval/report sub-system. P. Grove. (*Out of print/Stock  puis *).
- Some considerations on the establishment of the high and low water level planes in the Great Lakes Area. A. Bolduc.
- CODC station inventory system, user's guide. P. Erwin. (*Obsolete/P rim e*).
- CODCRIS: Canadian Oceanographic Data Centre, Request Inventory System. J. Hampton. (*Obsolete/P rim e*).
- Explanation of the MEDS' station master catalog of oceanographic stations and bathythermograph observations. (*Obsolete/P rim e*).
- 1974 A proposal for a MEDS data management system. D. Branch. (*Out of print/Stock  puis *).
- Explanation of the geographic distribution of means format. Product Sheet.
- The Telex Data Storage and Retrieval guide. Systems description. J. Minaker. (*Obsolete/P rim e*).
- Catalogue of oceanographic data holdings. (*Obsolete/P rim e*).

- A comparison of the tidal records collected at the stations of Churchill Harbour (5010) and Fort Churchill (5008). G. Godin and S. Eldring.
- 1975 Oceans on-line inquiry system - Users guide. D. Branch. (*Obsolete/Périmée*).
- A summary of available wave data products.
- Monthly summaries of oceanographic stations in the ICNAF area, 1950-1973.
- Monthly distribution of oceanographic stations in the ICNAF area, 1950-1959.
- GEOPLOT: A computer program to present data geographically. A. Piva.
- The telex data storage and retrieval system retrieval guide. J. Minaker. (*Obsolete/Périmée*).
- The telex data storage and retrieval system - Operator's manual. J. Minaker. (*Obsolete/Périmée*).
- 1976 MEDSPLOT user manual. P. Grove. (*Obsolete/Périmée*).
- GENDIS user manual. D. Branch. (*Obsolete/Périmée*).
- Quick retrieval from data base IHB. J. Minaker.
- "REQUEST": MEDS system for monitoring information transfer. H. Jones and M. Headrick.
- 1977 Time series of oceanographic bottle stations along the ICNAF standard sections. J. Gagnon.
- GEOPLOT user manual. A.A. Piva.
- Data base archive system. J. Dobec.
- 1978 PLOT-SIGMA-T. Program documentation. S. Eldring.
- 1979 Instruction manual for radio transmission of oceanographic data using Bathy/Tesac formats. J. Gagnon.
- CANTIDE - operators manual. E.J. Minaker.
- TATS data retrieval system user's guide. P.A. Bolduc.
- 1980 IHO tidal constituent bank. IHB - Operator's manual. E.J. Minaker, M. Vetter, P.A. Bolduc.
- Wave Climate study, Station operators manual (Waverider with Sony tape recorder).
- 1981 MEDS users guide.
- MEDS publications.
- Canada, Planned oceanographic cruise programs, Atlantic, 1981.
- Wave Climate study, Station operators manual (Waverider or Kelk Gauge station).

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Atlantic Coast and Bay of Fundy

Volume 2
Gulf of St. Lawrence

Volume 3
St. Lawrence and Saguenay Rivers

Volume 4
Arctic and Hudson Bay

Volume 5
Juan de Fuca and Georgia Straits

Volume 6
Barkley Sound and Discovery Passage to
Dixon Entrance

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Volume 2
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Volume 3
Fleuve Saint-Laurent et rivière
Saguenay

Volume 4
L'Arctique et la baie d'Hudson

Volume 5
Détroits de Juan de Fuca et de Géorgie

Volume 6
Baie Barkley et passage Discovery jusqu'à
l'entrée Dixon

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Water Levels - Tidal Highs and Lows

Monthly and Yearly Mean Water Levels

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Mer

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Publication annuelle

Weekly Water Level Bulletin

Published every Tuesday

Rapport hebdomadaire des niveaux d'eau

Publié tous les mardis

**Marine Sciences and Information Directorate Manuscript Report Series/
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| 1964 | No. 1 | On the oceanography of Hudson Bay, an atlas presentation of data obtained in 1961. F.G. Barber and C.J. Glennie. <i>(Out of print/Stock épuisé)</i> . |
| 1964 | No. 2 | The tides in the Labrador Sea, Davis Strait and Baffin Bay. G. Godin. <i>(Out of print/Stock épuisé)</i> . |
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A note on the precision of serial temperature data. F.G. Barber. |
| | No. 7 | Tuktoyaktuk Harbour - a data report. W.J.B. Kelly. |
| 1968 | No. 8 | The 1965 current survey of the Bay of Fundy - a new analysis of the data and an interpretation of the results. G. Godin. |
| | No. 9 | On the water of Tuktoyaktuk Harbour. F.G. Barber. |
| 1969 | No. 10 | Structure, dynamics and chemistry of Lake Ontario. Investigations based on monitor cruises in 1966 and 1967. H.E. Sweers. |
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| 1969 | No. 14 | A numerical study of large-scale motions in a two-layer rectangular basin. K.B. Yuen. |
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| 1971 | No. 16 | Computer routines for surface generation and display. J.D. Taylor, P. Richards and R. Halstead. |

- No. 17 Simulation of tidal motion in complex river systems and inlets by a method of overlapping segments. R.F. Henry.
- No. 18 Hydrodynamical studies on the St. Lawrence River. G. Godin.
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- 1972 No. 24 James Bay. On the oceanography of James Bay. The tides of James Bay. Circulation in James Bay. F.G. Barber, G. Godin and T.S. Murty. (*Out of print/Stock épuisé*).
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Resonance periods of multi-branched inlets with tsunami amplification. R.F. Henry and T.S. Murty.
- N°. 29 Modèle mathématique pour l'étude de la circulation due à la marée en Mer du Nord. F.C. Runday.
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- 1975 No. 36 Some features of tsunamis on the Pacific Coast of South and North America. T.S. Murty, S.O. Wigen and R. Chawla.
- No. 37 Operational model for predicting the movement of oil in Canadian navigable waters. T.J. Simons, G.S. Beal, K. Beal, A. El-Shaarawi and T.S. Murty. (*Out of print/Stock épuisé*).
- N°. 37 Modèle opérationnel pour la prediction du mouvement des nappes d'hydrocarbures dans les eaux navigables du Canada. T.J. Simons, G.S. Beal, K. Beal, A. El-Shaarawi et T.S. Murty.
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- No. 39 A preliminary tidal exchange experiment in Masset Inlet. F.G. Barber, T.S. Murty and J. Taylor.
- 1977 No. 40 On the oceanography of Jones Sound, N.W.T. F.G. Barber and A. Huyer.
- 1976 No. 41 The use of the admittance function for the reduction and interpretation of tidal records. G. Godin.
- 1977 No. 42 The identification and classification of tidal records through pattern recognition. G. Godin.
- No. 43 Symposium on modeling of transport mechanisms in oceans and lakes. (*Out of print/Stock épuisé*).
- No. 44 Some observed statistical properties of small scale turbulence. J.R. Wilson.
- No. 45 Calculating useful products from an oceanographic data base. D.B. Rao.
- No. 46 Mathematical studies of tidal behaviour in the Bay of Fundy. D.A. Greenberg.
- No. 47 A note on free oscillations of Chedabucto Bay. F.G. Barber and J. Taylor.
- No. 48 Symposium on tsunamis.
- N°. 49 L'analyse des données de courant: théorie et pratique. G. Godin.
- 1978 No. 50 Icebreaking capability of CCGS "Labrador" in western Barrow Strait, October 23-28, 1973. J.D. Bradford.

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|------|--------|--|
| | No. 51 | Tsunamis - A selected bibliography. R.J.K. Chawla. |
| 1979 | No. 52 | Tidal workshop. |
| | No. 53 | Symposium on long waves in the ocean. |
| | No. 54 | Icebreaker probes to Lake Melville, Labrador in 1972. J.D. Bradford. |
| 1980 | No. 55 | Cotidal charts for Canada. G. Godin. |
| | No. 56 | Modification of the tide in the Canadian Arctic by an ice cover. G. Godin. |
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| | No. 58 | Statistical search for high water at Board Landing Bridge, Truro, Nova Scotia. G. Godin, P.A. Bolduc, D.G. Mitchell and S. Yuen. |
| | No. 59 | Canadian Wave Climate Study: Organization and operation. J.R. Wilson and W.F. Baird. |

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1963	No. 1	Grand Bank and St. Pierre Bank
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	No. 5	Cape Parry Area, N.W.T.
	No. 6	Ocean Weather Station "P"
1964	No. 1	Hudson Bay Project, 1961
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	No. 7	Halifax Approaches and Cabot Strait
	No. 8	Gulf of St. Lawrence
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	No. 10	South East of Grand Banks
	No. 11	Scotian Shelf - Tail of Grand Banks
	No. 12	Hudson Bay Project 1961
	No. 13	Great Bear Lake, N.W.T. 1963
	No. 14	ICNAF Norwestlant - 2 surveys
	No. 15	Ocean Weather Station "P"
	No. 16	Scotian Shelf, Cabot Strait & Continental Slope
	No. 17	Southern Labrador and Grand Banks - 1963
	No. 18	Eastern Arctic - 1960
	No. 19	Gulf of St. Lawrence
	No. 20	Ocean Weather Station "P"
1965	No. 1	Gulf of St. Lawrence
	No. 2	Gulf of St. Lawrence
	No. 3	Ocean Weather Station "P"
	No. 4	Halifax Section & Scotian Shelf - 4 surveys
	No. 5	Gulf of St. Lawrence
	No. 6	Gulf of St. Lawrence (Strait of Belle Isle)
	No. 7	Ocean Weather Station "P"
	No. 8	Ocean Weather Station "P"
	No. 9	Gulf of St. Lawrence
	No. 10	North Atlantic, East of Nova Scotia, South of Grand Banks, 2 surveys
	No. 11	Baffin Bay, Smith Sound to Strait of Belle Isle
	No. 12	Saguenay and Gulf of St. Lawrence
	No. 13	Grand Banks to the Azores
1966	No. 1	Ocean Weather Station "P"
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	No. 4	Arctic, Hudson Bay and Hudson Strait
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	No. 11	Ocean Weather Station "P"
	No. 12	Arctic 1961
	No. 13	Great Bear Lake, N.W.T.
1967	No. 1	Gulf of St. Lawrence
	No. 2	Sable Island to Grand Banks
	No. 3	Cabot Strait
	No. 4	Baffin Bay, 1962
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	No. 6	Ocean Weather Station "P"
	No. 7	Baffin Bay, 1963
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1968	No. 1	Stanwell-Fletcher Lake, Somerset Island, N.W.T., 1965-1966
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	No. 9	Scotian Shelf
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	No. 11	Gulf of St. Lawrence
	No. 12	Ocean Weather Station "P"
	No. 13	Operation Tanquary, Ellesmere Island, N.W.T., 1963-1966
1970	No. 1	Generator Lake, Baffin Island, N.W.T. and Tasiujaq Cove, Ekalugad Fiord, Baffin Island, N.W.T., 1968
1971	No. 1	Gulf of St. Lawrence - 2 surveys, June 18-30, 1968 and June 16-July 1, 1968

	No. 2	Gulf of St. Lawrence
1972	No. 1	Gulf of St. Lawrence
1973	No. 1	Gulf of St. Lawrence
	No. 2	James Bay, July 20-Oct. 30, 1972





